

-continued

(1) SEQUENCE DESCRIPTION: SEQ ID NO:1:

ACUCUCUCC GCAUCGCGUG CUGCGAGGGC CAGCUGUGGG GCUCGCGGUG GAGGACAAAC 60
 UCUCGCGGUG CUUCCAGUA CUCUGGGAUC GGAACCCG CCGCCUCCGA ACQUACUCCG 120
 CCACCGAGGG ACCUGAGCGA GUCGCGAUCG ACCGGAUCGG AAAACCCUC GAGAAAAGCG 180
 UCUAACCAUG CACAGUCGCA 200

(2) INFORMATION FOR SEQ ID NO:1:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 33 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: mRNA

(1) SEQUENCE DESCRIPTION: SEQ ID NO:2:

ACUCUCUCC GCAUCGCGUG CUGCGAGGGC CAG 33

(2) INFORMATION FOR SEQ ID NO:3:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 12 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(1) SEQUENCE DESCRIPTION: SEQ ID NO:3:

AGCTTTGATC AG 12

(2) INFORMATION FOR SEQ ID NO:4:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 12 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(1) SEQUENCE DESCRIPTION: SEQ ID NO:4:

GCACCTGATC AA 12

(2) INFORMATION FOR SEQ ID NO:5:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 8 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(1) SEQUENCE DESCRIPTION: SEQ ID NO:5:

GTGATCAA 8

(2) INFORMATION FOR SEQ ID NO:6:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 16 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

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(11) MOLECULE TYPE: DNA (genomic)

(21) SEQUENCE DESCRIPTION: SEQ ID NO:6

GATCTTGATC ACTGCA

16

(2) INFORMATION FOR SEQ ID NO:6:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(21) SEQUENCE DESCRIPTION: SEQ ID NO:7

CGGATCCG

(2) INFORMATION FOR SEQ ID NO:7:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(21) SEQUENCE DESCRIPTION: SEQ ID NO:8

CGGATCCG

(2) INFORMATION FOR SEQ ID NO:9:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 287 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(21) SEQUENCE DESCRIPTION: SEQ ID NO:9:

AATTCACGCT GTGGTGTAT GTTCGGTGGT CGTAGGGTG CCGACCGCA TCCTGACTGC 60
 ACGGTGCACC AATGCTTCTG GCGTCAGGCA GCCAATCGGA AGCTGTGGA TGGCTGTGCA 120
 GGTGCTATAA TCACCGCATA ATTGAGTGC GTCAAAGGCGC ACTCCCGTTC CGGATAATGT 180
 TTTTGTCTCC GACATCATAA CGGTTCCGGC AAATATTCTG AAATGAGCTG TTGACAATTA 240
 ATCATCGAAC TAGTAACTA GTACGCAAGT TCTGTAATAA AAGGTAT 287

(2) INFORMATION FOR SEQ ID NO:10:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 283 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(21) SEQUENCE DESCRIPTION: SEQ ID NO:10:

COATACCCIT TTTACGAGAA CTTGCTACT AGTTAACTAG TTCGATGATT AATTGTCAAC 60
 AGCTCATTTC AGAATATTG CCGGAACCGT TATGATGTG GAGCAAAAAA CATTATCCGG 120
 AACGGGAGTG CGCCTTGAGC GACTCGAATT ATCGGCTGAT TATACGACCT GCACAGCCAT 180
 ACCACAGCTT CCGATTGGCT GCCTGACGCC AGAAGCATTG GTGACCCGTG CAGTCGAGAT 240

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OCGCCTCGGC ACCCTAGCGA ECACCGACCA TAACACCACA GCCTG

285

(2) INFORMATION FOR SEQ ID NO:11:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(2.1) SEQUENCE DESCRIPTION: SEQ ID NO:11:

CCATATGG

(2) INFORMATION FOR SEQ ID NO:12:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(2.1) SEQUENCE DESCRIPTION: SEQ ID NO:12:

CCATATGG

(2) INFORMATION FOR SEQ ID NO:13:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(2.1) SEQUENCE DESCRIPTION: SEQ ID NO:13:

CGTTAACG

(2) INFORMATION FOR SEQ ID NO:14:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(2.1) SEQUENCE DESCRIPTION: SEQ ID NO:14:

CGTTAACG

(2) INFORMATION FOR SEQ ID NO:15:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 16 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(1.1) MOLECULE TYPE: DNA (genomic)

(2.1) SEQUENCE DESCRIPTION: SEQ ID NO:15:

GGGAAAGTGCT GTGAAATATC CACCTGCGGC CTGAGA

36

(2) INFORMATION FOR SEQ ID NO:16:

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- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 45 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(x1) SEQUENCE DESCRIPTION: SEQ ID NO:16:

CTAGAGGTA TTAATAATGT ATCGATTAA ATAAGGAGGA ATAACA

46

(2) INFORMATION FOR SEQ ID NO:17:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 44 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(x1) SEQUENCE DESCRIPTION: SEQ ID NO:17:

TATGTTATTC CTCCTTATTT AAATCGATAC ATTATTAATA CCCT

44

(2) INFORMATION FOR SEQ ID NO:18:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 22 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(x1) SEQUENCE DESCRIPTION: SEQ ID NO:18:

GATCTATTAA CTCGAATCTAG AC

22

(2) INFORMATION FOR SEQ ID NO:19:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 22 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(x1) SEQUENCE DESCRIPTION: SEQ ID NO:19:

TCCAGTCTAG ATTGAGTTAA TA

22

(2) INFORMATION FOR SEQ ID NO:20:

- (1) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 572 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(x1) SEQUENCE DESCRIPTION: SEQ ID NO:20:

| | | | | | | |
|-------------|-------------|------------|-------------|------------|-------------|-----|
| AAAGCTTTTCT | CATTAAAGGGA | AGATTTCCCC | AGGCAAGCTCT | TTCAAGGCCT | AAAAAGGTCCA | 60 |
| TGAAGTCCAT | GGATTCTTCC | CTGTTAAGAA | CTTTATCCAT | TTTTGCAAAA | ATTGCAAAAAG | 120 |
| AATAGGGATT | TCCCCAAATA | GTTTTGCTAG | GCCTCAGAAA | AAGCCTCCAC | ACCTTACTA | 180 |
| CTTGAGAGAA | AGGGTGGAGG | CAGAGGCGGC | CTGGGCTCT | TATATATTAT | AAAAAAAAAG | 240 |
| GCCACAGGGA | GGAGCTGCTT | ACCCATGGAA | TGCAAGCCAAA | CCATGACCTC | AGGAAGGAAA | 300 |

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| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|-----|
| GTGCATGACT | CACAGGGGAA | TGCAAGCCAAA | CCATGACCTC | AGGAAAGGAAA | GTGCATGACT | 360 |
| CACAGGGGAG | AGCTGCTTAC | CCATGGAATG | CAAGCCAAAC | ATGACCTCAG | GAAAGGAAAGT | 420 |
| GCATGACTGG | GCAAGCCAGCC | AQTGGCAOTT | AATAAGTGA | CCCCGCCGAC | AGACATGTTT | 480 |
| TGCGAGCCTA | GGAATCTTGG | CCTTGTCCCC | AGTTAAACTG | GACAAAAGGCC | ATGGTTCTGC | 540 |
| GCCAGGCTGT | CCTTCGAAGC | GTGTTCCGCG | GTCTCTCTCG | TATAGAAACT | CGGACCACTC | 600 |
| TGAGACGAA | GCTGCGCTCC | AGGCCAGCAC | GAAAGGAGGCT | AAGTGGGAGG | GATAGCGGTC | 660 |
| GTGTTCCACT | AAGGGGTCCA | CTCGCTCCAG | GGTGTGAAGA | CACATGTCGC | CCTCTTCGGC | 720 |
| ATCAAGGAA | GTOATTGGTT | TATAGGTGTA | GGCCAGACCG | GGTGTTCCTG | AAAGGGGGGCT | 780 |
| ATAAAAAGGG | GTGGGGGCGC | GTTCGTCTCT | ACTCTCTTCC | GCATCGCTGT | CTGCGAGGGC | 840 |
| CAGCTGATCA | GCCTAGGCTT | TGCAAAAAAG | TT | | | 872 |

(2) INFORMATION FOR SEQ ID NO:11:

(1) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 643 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(11) MOLECULE TYPE: DNA (genomic)

(21) SEQUENCE DESCRIPTION: SEQ ID NO:11:

| | | | | | | |
|------------|-------------|-------------|-------------|-------------|-------------|-----|
| AAGCTTTTCT | CATTAAAGGA | AGATTTCCTC | AGGCAAGCTCT | TTCAAAGGCTT | AAAAAGGTCCA | 60 |
| TGAAGTCCAT | GGATTCTTCC | CTGTTAAGAA | CTTTATCCAT | TTTTGCAAAA | ATTGCAAAAAG | 120 |
| AATAAGGATT | TCCCCAAATA | GTGTTGCTAG | GCCTCAGAAA | AAGCCTCCAC | ACCCTTACTA | 180 |
| CTTGAGAGAA | AAGGTGGAGG | CAGAGGCGGC | CTCGGCTTTC | TTATATATTA | TAAAAAAGAA | 240 |
| GGCCACAGGG | AAGAGCTGCT | TACCCATGGA | ATGCAAGCCAA | ACCATGACCT | CAGGAAAGGAA | 300 |
| AGTGCATGAC | TCACAGGGGA | ATGCAAGCCAA | ACCATGACCT | CAGGAAAGGAA | AGTGCATGAC | 360 |
| TCACAGGGAG | GAGCTGCTTA | CCCATGGAAT | GCAAGCCAAAC | CATGACCTCA | GGAAGGAAAG | 420 |
| TGCATGACTG | GGCAAGCAGC | CAGTGGCAAT | TAATACAGGG | TGTGAAGACA | CATGTCGCCC | 480 |
| TCTTCGGCAT | CAAGGAAAGT | GAATTGGTTT | ATAAGTGTAG | GCCACGTGAC | CGGGTGTTC | 540 |
| TGAAGGGGGG | CTATAAAGAG | GGTGGGGGCG | GGTTCGTCTC | TCACTCTCTT | CCGCATCGCT | 600 |
| GTCTGCGAGG | GCCAGTGTATC | AGCCTAGGCT | TTGCAAAAAG | CTT | | 643 |

I claim:

1. Δ [The] recombinant human protein C molecule produced by inserting a vector comprising the DNA encoding human protein C into an adenovirus-transformed host cell then culturing said host cell under growth conditions suitable for production of said recombinant human protein C.

2. The recombinant human protein C molecule of claim 1 wherein the adenovirus-transformed host cell is selected from the group consisting of AV12 cells and human embryonic kidney 293 cells.

3. The recombinant human protein C molecule of claim 2 wherein the adenovirus-transformed host cell is an AV12 cell.

4. The recombinant human protein C molecule of claim 2 wherein the adenovirus transformed host cell is a human embryonic kidney 293 cell.